



2017 Annual Report Central Valley Disadvantaged Community Water Quality Grants Program

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Photo courtesy of Program grantee Self-Help Enterprises

Prepared by the Rose Foundation for Communities and the Environment

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Program Overview.....	1
Impacts.....	1
Active SEPS in 2017	3
SEPs 100% Complete	3
SEPs 50% Complete	8
SEPs 25% Complete	12
Recently Awarded SEPs.....	14
SEPs Received, with Grant Contracts in Process	19
Conclusion	22



Photo courtesy of Program grantee Central Sierra Environmental Resources Center

Program Overview

2017 was the fourth year for the Rose Foundation for Communities and the Environment (Rose Foundation) to administer the Central Valley Disadvantaged Community Water Quality Grants Program. Since inception, funding from 14 Administrative Civil Liability (ACL) settlements have been received. This has enabled the Rose Foundation to fund a total 27 Supplemental Environmental Projects (SEPs) over the past four years.

In 2017, the program received 3 ACL settlements, enabling 12 new SEPs. Combined with SEPs approved and initiated in previous years, this meant that a total of 20 SEPs were active in 2017. This is a record number of active SEPS! Of these 20 SEPs, we are proud to report that five projects were fully completed in 2017. Three projects achieved 75% completion, three met their 50% completion milestones, and three have passed their 25% completion milestone. Finally, our overall tally of active SEPS includes six projects that were initiated much more recently and are expected to complete their first milestones of 25% in the coming months. There are also three more SEPS where grant contracts are still being awarded.

Overall momentum for the program continues to build. Our annual outreach process now reaches over 200 organizations notifying them of the opportunity to apply for these funds. We encourage all interested organizations to submit a short letter of Inquiry, and hold a how-to-apply workshop to help applicants understand the Program's twin objectives – water quality and disadvantaged community benefit. Rose Foundation staff then works with applicants to help them try to meet both of these bulls eyes. After a rigorous vetting process, our 2017 Project List consisted of 14 organizations (nine in the Fresno Region, three in the Sacramento Region and two in the Redding region). All SEPs in this report flowed out of either the 2017 Project List, or were initiated from a previous year's Project List.

We are currently in the process of finalizing our proposed 2018 Project List, and look forward to bringing it to the Board for review shortly.

Impacts

All of the SEP projects being funded through the Central Valley Disadvantaged Communities Water Quality Grants Program are helping disadvantaged communities reach important water quality objectives. Project implementation and the participation of local communities have successfully brought new sources of drinking water to communities whose wells has been contaminated, protected water quality and public health, prevented water contamination, built awareness, and overall benefited disadvantaged communities throughout much of the service area of the Central Valley Water Board. This report provides summaries of all of these projects. But we particularly want to highlight three groups and organizations, which have achieved especially significant impacts in improving the quality of water in the region.

Central California Environmental Justice Network

Enabled by two settlements (M.C Land Company and Southern California Edison/Shaver Lake), the SEP funding has allowed CCEJN to actively involve and support communities in Fresno and Kern counties with 14 trainings, that reached 252 participants, teaching community members how to monitor the water quality of their drinking sources, and report related hazards. Phase 1 of the project established water watchdog groups in Lamont, Lanare and Riversdale. In Lamont, residents were educated about the “Plan B” work-plan between the Regional Water Board and Lamont Public Utilities District as an alternative to the city’s sewage wastewater disposal practices. In Lanare and Riverdale education on sources of groundwater contamination resulted in community members identifying and reporting those hazards through the Identifying Violations Affecting Neighborhoods (IVAN) network, elevating these problems to agency attention and resolution. The second phase of the project extended trainings on sources of water contamination and reporting to the City of Fresno and to Mendota. Latinos in Fresno learned how to understand their Consumer Confidence Reports (CCR), how to request a CCR report in Spanish, and what are reliable sources of drinking water. Additionally, citizen science events were carried out in order to engage the community in data collection and monitoring. To guide the data collection, a Quality Assurance Project Plan (QAPP) for data reliability was developed with the collaboration from Anthony Toto at the State Water Resources Board, Rural Community Assistance Corporation and Community Water Center.

WildPlaces

The SEP funding to this grassroots group rooted in the Central Valley leveraged its community power to simultaneously work to improve surface water quality in two communities in Kern and Tulare counties. Through bi-lingual watershed informational assemblies at local schools, engagement in place based projects, and youth empowerment, WildPlaces engaged dozens of Porterville and Arvin disadvantaged community residents in pollution prevention and clean-up activities, water quality monitoring, and tree planting. The direct beneficiaries were families most affected by water scarcity – people whose homes are not connected to the city water system, and whose wells are dry or in danger of going dry. Many are being supplied with emergency water. Because of the SEP to Wildplaces, these residents now have a holistic vision of watershed systems and understand that clean drinking water is possible.

California Rural Legal Assistance Corp

CRLA is achieving strong success related to resident engagement and resident desire to receive civic engagement training for its Water Quality Planning and Well Rehabilitation Project in Del Rey. The community’s drinking water, served by wells, is contaminated with the highly toxic fumigant pesticide 1,2,3 TCP. The SEP enabled monthly meetings to provide residents with information to enhance their ability to participate and monitor the Community Service District (CSD) remediation efforts in their community. Early in the project, CRLA was able to leverage additional resources by securing funding to cover the remediation engineering study that originally was in the project budget. This is allowing CRLA to expand their community outreach and focus the SEP funding towards deepening residents’ understanding and ability to participate in post-remediation activities. CRLA also expanded the scope of work and range of training and technical assistance available to Del Rey residents. This increase in time spent in the community resulted in resident participation in monthly workshops and CSD meetings that doubled and tripled participation compared to the first quarter of the project.

Active SEPS in 2017

This section describes all SEPs that were active in 2017, including SEPs awarded in past years that performed or completed work in 2017, as well as new SEPs that were initiated in 2017. Unless otherwise indicated, a chart showing the enabling ACL order follows each SEP description.

SEPs 100% Complete

Five SEPS were fully completed in 2017.

Central California Environmental Justice Network (CCEJN)

Advancing Community Engagement to Monitor, Report Hazards, and Preserve the Water Quality of Fresno and Kern Counties

\$21,390 | 12 months: February 2016 - March 2017

This project supported disadvantaged community involvement in the Fresno Environmental Reporting Network (FERN) and Kern Environmental Enforcement Network (KEEN), both part of IVAN network. Training materials were developed and 9 of the 10 planned trainings were conducted with identified groups at locations within Kern and Fresno counties including: Lamont, Riversdale, Bakersfield, Delano, Fowler, and City of Fresno. Using presentations done in Spanish and integrating Central Valley Water Board representatives into the conversation, these trainings have taught residents how to use the KEEN/FERN websites, mobile application and telephone reporting system – empowering members through the local community to help resolve water quality issues. Also, a citizen science event was conducted with local partners, leading to the creation of local water watcher groups such as Comite “Progreso de Lamont” to monitor areas of interest and contribute information to the IVAN process. Finally, CCEJN pushed the City of Fresno to have better community access to water quality reports (Consumer Confidence Reports) and translation to Spanish, and the option to refer a caller to a phone line for translation.

ACL Order R5-2015-0537

Discharger	M.C. Land Company	
Date of ACL Order Approval	20-Nov-15	
Total ACL Amount	\$46,000.00	
Total SEP Amount	\$23,000.00	
Date SEP Payment Received	23-Dec-15	
	<i>Paid in 2015</i>	<i>Paid 2016</i>
Amount Paid to RF from Discharger	\$23,690.00	\$0.00
Amount Retained by Rose Foundation for Direct Project Administration Cost	\$1,610.00	\$0.00
SEP Program Oversight Cost	\$690.00	\$0.00
Amount Paid to Project Proponent from Rose Foundation	\$0.00	\$21,390.00

Central California Environmental Justice Network

Advancing Community Engagement to Monitor, Report Hazards, and Preserve the Water Quality of Fresno and Kern Counties – Phase 2

\$10,000 | 12 months: January 2017 – December 2017

This project built on the M.C. Land Company SEP. In conjunction with the already established FERN/KEEN resident reporting networks of environmental hazards, the project enhanced residents' abilities to identify, monitor, and report potential threats to groundwater and surface watersheds. By helping to strengthen the backbone of the community participation in FERN and KEEN, this project allowed the KEEN/FERN networks to inform the Central Valley Water Board about the potential threats in a manner consistent with quick abatement and comprehensive compliance actions. In the past, residents' reports about dairies, oil operations, and unregulated discharge have allowed the Central Valley Water Board to conduct investigations that have led to the prevention of pollution via enforcement and/or compliance actions. The project further extended residents' reach out to residents who can help further prevent contamination. *(Funded from ACL Order R5-2016-0535 | Discharger: Southern California Edison/Shaver Lake. Please see page 12 for the overall Shaver Lake ACL chart)*

The Sierra Fund

Integrating Grass Valley DAC Participation in CABY Water Activities: Project Planning, Tribal Consultation, and Post-It Day

\$40,500 | 12 months: September 2016 – September 2017

This project built on a past SEP (Rockling Crossings) to TSF, which achieved 100% completion last year. The funding allowed project partners to be more deeply engaged with tribal leaders and disadvantaged community members on important local watershed projects including TSF's "Post-It Day" 2017 efforts to provide fish consumption information to members of Grass Valley and surrounding DACs. The project involved local organizations and leaders that serve DAC and tribal members in planning efforts to produce and distribute state-issued fish consumption guidelines at water bodies where anglers are fishing, and potentially other social services outlets in the community. Educational materials about water quality were specifically created in order to better reach low-income members. This outreach bore fruit as the project documented increased participation from these constituencies in the CABY IRWM collaborative. A representative from the Rancheria became involved and played a key role in identifying the community issues and communicating them. This project also achieved significant leverage toward a new opportunity to work with DAC members in the Grass Valley area as part of the Department of Water Resources (DWR) mandated DAC needs assessment and outreach program that will be implemented over the next year. So far, a working strategy has been working through the church as a promising vector to get to DACs and the Spanish speaking community.

ACL Order R5-2016-0528

Discharger	Stamas
Date of ACL Order Approval	30-Mar-16
Total ACL Amount	\$90,000.00
Total SEP Amount	\$45,000.00

Date SEP Payment Received	17-Jun-16
	<i>Paid in 2016</i>
Amount Paid to RF from Discharger	\$45,000.00
Amount Retained by Rose Foundation for Direct Project Administration Cost	\$3,150.00
SEP Program Oversight Cost	\$1,350.00
Amount Paid to Project Proponent from Rose Foundation	\$40,500.00

Self-Help Enterprises

DAC Engagement in Regional Water Planning

\$74,936 | 12 months: November 2016 – November 2017

This project will improve DAC participation in IRWM and SGMA activities by working directly with DACs, IRWM, and Sustainable Groundwater Management Act (SGMA) groups to build capacity, foster relationships, address current barriers, minimize future barriers and support development of ground water sustainability projects. Two recent DWR-funded DAC studies recommended intentional engagement of DACs to improve their participation in ground water management at both the local community and broader regional levels. SGMA created a statewide program similar to IRWM in its requirement for collaboration and building of alliances for regional water management. *(Funded from ACL Order R5-2016-0535 | Discharger: Southern California Edison/Shaver Lake. Please see page 12 for the overall Chart for the Shaver Lake ACL)*

WildPlaces

Kern/Tule Watersheds DAC Water Quality Improvement and Outreach

\$20,000 | 12 months: November 2016 – November 2017

Enabled a broad and long-term strategy to improve water and natural habitat quality bonding DACs with their clean water source. The Tule and Kern are two major local watersheds with some resilience to climate change and drought conditions, but are at risk of decline. Funding helped enable community-based volunteer-oriented upland meadow restoration which helps the meadows regain their natural ability to work as giant “sponges”, absorbing water for slow natural release, thereby benefitting the ecosystem as well as downhill human habitats. Project activities also involved removing trash and pollution from the Tule and Kern River, with a direct tangible effect in improving water quality. The community outreach and involvement helps increase overall community knowledge about watershed health, and helps create a long-term stewardship ethos, which will extend far past the actual grant period. As a result of the project, diverse neighborhood members came together to take action toward the common goal of protecting and restoring THEIR upland habitat and watersheds. *(Funded from ACL Order R5-2016-0535 | Discharger: Southern California Edison/Shaver Lake. Please see page 12 for the overall Chart for the Shaver Lake ACL)*

SEPs 75% Complete

Three SEPS are now 75% complete.

Self-Help Enterprises

DAC Engagement in Regional Water Planning for Madera County Area of San Joaquin River Basin Region

\$29,619 | 14 months: September 2016 - March 2018

This project is improving improve DAC participation in IRWM activities by working directly with DACs and IRWM to build capacity, foster relationships, address current barriers, and minimize future barriers and support development of ground water sustainability projects. Two recent DWR-funded DAC studies recommended intentional engagement of DACs to improve their participation in ground water management at both the local community and broader regional levels. The project is well on its way to implementing the relevant recommendations of the DWR-funded DAC studies to foster engagement of DACs in the Madera region. The Project objectives are to: 1) engage DACs and the IRWM group in defining participation and project development challenges related to local, regional and sustainable ground water supply and management, (2) work with DACs and the IRWM group to develop plans to utilize future DAC engagement funds; 3) build capacity and foster working relationships, 4) address local IRWM barriers and provide recommendations to minimize these future barriers; and 5) support development of water projects that lead to sustainable local and regional ground water management.

ACL Order R5-2016-0533

Discharger	Rakkar Properties	
Date of ACL Order Approval	20-Jun-16	
Total ACL Amount	\$63,700.00	
Total SEP Amount	\$29,619.00	
	<i>Paid in 2016</i>	<i>2017</i>
Amount Paid to RF from Discharger	\$30,574.00	
SEP Program Oversight Cost	\$955.00	
Amount Paid to Project Proponent from Rose Foundation	\$29,619.00	
Amount Expended on Project by Project Proponent	\$0.00	23,013.62
Date SEP Payment Received	24-Jul-16	
Amount Retained by Rose Foundation for Direct Project Administration Cost	\$0.00	

California Indian Environmental Alliance (CIEA)***Safer Subsistence Fishing: Cache Creek Basin to Sacramento River*****\$43,245 |12 months:** January 2017 – December 2017¹

The goal of this project is create a model for identifying and securing safe fishing locations in the Cache Creek Watershed east from Clearlake into the Sacramento River. This will result in cleaner water quality standards to levels that will support continued fish consumption at or near cultural subsistence rates and provide safer places for cultural practices within the watershed. This project is related to CIEA's related Tribal Engagement in Integrated Regional Watershed Management Plans and Basin Plan Amendments. Specifically it will provide updated information for the Central Valley Region in the Westside, Sacramento River, San Francisco Bay Delta and Mountain County IRWMs wherein CIEA works closely with Tribes, and will provide guidance to watershed restoration projects. This project will also show that the goal of securing safer fishing locations is obtainable and that families can have local alternatives and be healthful in their own traditional territories in California. The project has made substantial progress towards its goal of providing an alternative and preferable method of assessing and remediating locations based on California Tribes' and community needs. The four components of this program 1) Rank waters in this area by cleanest locations 2) Fill data gaps, 3) Develop further cleanup plans and identify sources to fund this work and will begin to 4) Protect this portion of the watershed utilizing existing state programs and distribute fish consumption advisories.

ACL Order R5-2016-0566

Discharger	City of Galt	
Date of ACL Order Approval	30-Nov-16	
Total ACL Amount	\$93,000.00	
Total SEP Amount	\$46,500.00	
	<i>Paid in 2016</i>	<i>2017</i>
Amount Paid to RF from Discharger	\$47,895.00	\$0.00
SEP Program Oversight Cost	\$1,395.00	\$0.00
Amount Paid to Project Proponent from Rose Foundation		\$43,245
Amount Expended on Project by Project Proponent		\$25,975
Date SEP Payment Received	23-Dec-16	
Amount Retained by Rose Foundation for Direct Project Administration Cost	\$3,255.00	

¹ Four-month extension granted for final report, final report due date: May 31, 2018.

El Quinto Sol

Water and the Right to Know

\$50,000 | 12 months: January 2017 – January 2018

This project is conducting public education about water quality in the four communities of Tooleville, Plainview, Tonyville and Lindsay (which includes the community of El Rancho). Outreach is locally tailored to provide the individualized tools that each community needs in order to have a deep understanding of the water quality issues they face and to increase participation in their local water boards in an effort to have community members engaged in their own water systems. Along with The Water and The Right To Know program, the project is giving residents the opportunity to strengthen the bridge between decision makers, agencies and community. *(Funded from ACL Order R5-2016-0535 | Discharger: Southern California Edison/Shaver Lake. Please see page 12 for the Shaver lake ACL Chart)*

SEPs 50% Complete

Three SEPS achieved 50% completion in 2017.

South Yuba River Citizens League (SYRCL)

Growing Green Reducing Water Quality Impacts from Marijuana Grows in the Yuba River

\$46,500 | 12 months: January 2017 – December 2017²

SYRCL's Growing Green Program focuses on promoting education about water quality and watershed health to cannabis farmers in DACs within the Yuba River watershed. This program is working directly with DACs to research and develop Best Management Practices (BMPs) pertaining to cannabis grow operations. Once BMPs are developed, SYRCL will conduct outreach, hold BMP workshops, and disseminate educational materials to local farmers and interested community members. This project will create Cannabis BMP webinars, which will be available for free online to reach a widespread audience and have a large impact on the ongoing issue of pollution sourced from unregulated cannabis farms. While the project's focus is the Yuba watershed, it is expected that the materials, results, and outcomes will be applicable to communities and watersheds throughout California's Central Valley and beyond – thus magnifying the impact of the SEP and helping to promote safe cannabis farming in multiple watersheds.

ACL Order R5-2016-0537

Discharger	Triangle Properties	
Date of ACL Order Approval	14-Sep-16	
Total ACL Amount	\$100,000.00	
Total SEP Amount	\$50,000.00	
Date SEP Payment Received	19-Oct-16	
	<i>Paid in 2016</i>	<i>Paid in 2017</i>

² One-month extension granted for final report, final report due date: February 15, 2018.

Amount Paid to RF from Discharger	\$51,500.00	\$0.00
Amount Retained by Rose Foundation for Direct Project Administration Cost	\$3,500.00	\$0.00
SEP Program Oversight Cost	\$1,500.00	\$0.00
Amount Paid to Project Proponent from Rose Foundation	\$46,500.00	
Amount Expended on Project by Project Proponent		\$37,316.22

Leadership Council on Justice and Accountability

Septic Conversion and Consolidation Project

\$120,000 | 24 months: November 2016 – November 2018

This septic to sewer and drinking water consolidation project will (1) eliminate failing septic systems by advocating for and facilitating projects that connect DACs to public wastewater systems and (2) address drinking water contamination by advocating for consolidation of drinking water systems. The project was launched in the communities of Lanare and Cantua Creek, in Fresno County and Matheny Tract, Soult's Tract and Loan Oak in Tulare County where failing septic systems and inadequate drinking water systems impact the health of the aquifer, health of residents, and the sustainability of communities. LCJA is partnering with community-based organizations, local government and other stakeholders in these areas to develop and implement community driven septic to sewer and drinking water consolidation campaigns. *(Funded from ACL Order R5-2016-0535 | Discharger: Southern California Edison/Shaver Lake. Please see page 12 for the Shaver Lake ACL Chart)*

ACL Order R5-2016-0535

Discharger: Southern California Edison/Shaver Lake							
Date of ACL Order Approval: 6-Jul-16							
Total ACL Amount: \$1,038,553							
Total SEP Amount: \$519,500							
Date SEP Payment Received: 6-Oct-16							
SEP Direct Project Administration Cost: \$24,288				SEP Program Oversight Cost: \$12,462			
Amount Paid to Rose Foundation from Discharger: \$531,968							
Project Proponent							
Center for Race, Poverty and the Environment		Central California Environmental Justice Network	El Quinto Sol de America	Leadership Counsel for Justice and Accountability		Self-Help Enterprises	Wild Places
Project							
South San Joaquin Valley Watershed Improvement Programs: Promoting Community Participation		Advancing Community Engagement to Monitor, Report Hazards, and Preserve the Water Quality of Fresno and Kern Counties	Water and The Right to Know	Septic to Sewer: For Community Health, For Groundwater Quality, For Regional Sustainability		DAC Engagement in Regional Water Planning Tulare Basin	Kern/Tule Watersheds Disadvantaged Communities Water Quality Improvement and Outreach
Paid in 2016	Paid in 2017	Paid in 2016	Paid in 2016	Paid in 2016	Paid in 2017	Paid in 2016	Paid in 2016
Amount Paid to Project Proponent from Rose Foundation							
\$107,500	\$0	\$10,000	\$50,000	\$60,000	\$60,000	\$74,936	\$20,000
Amount Expended on Project by Project Proponent							
\$107,500		\$10,000	\$37,000.91	\$66,493.54		\$74,936	\$20,000

California Rural Legal Assistance
Water Quality Planning and Well Rehabilitation
\$43,942.50 | 18 months: January 2017 – June 2018

This project is in partnership with Del Rey Community Services District to abate legacy contamination in the community's groundwater supply. Del Rey, located in the San Joaquin Valley Floor watershed, receives 100% of its water from groundwater sources. The community's drinking water is contaminated with highly toxic pesticide 1,2,3-trichloropropane (TCP), a byproduct of soil fumigants used in agricultural production. All of Del Rey's seven private wells have TCP levels significantly higher than the Public Health Goal. Two of the wells have been rendered completely unusable and are abandoned. The SEP funding to CRLA supports their work with the community to help residents understand the extent of contamination in their wells, assess mitigation and treatment options to bring the level of TCP within an acceptable range for short and long term efforts, to equip residents to engage in, robust public participation throughout the process, and to work with the CSD to encourage public participation. Del Rey is an unincorporated rural farm worker community with as many as 36% of its residents living in poverty, and is one of California's most environmentally burdened communities. This project could serve as a blueprint for other communities facing identical challenges and ultimately help inform the state's efforts to regulate TCP levels in drinking water to a safe level.

ACL Order R5-2016-0567

Discharger	California Resources Corp.
Date of ACL Order Approval	26-Oct-16
Total ACL Amount	\$94,500.00
Total SEP Amount	\$47,250.00
Date SEP Payment Received	12-Jan-17
	<i>Paid in 2017</i>
Amount Paid to RF from Discharger	\$48,667.50
SEP Direct Project Administration Cost	\$3,307.50
SEP Program Oversight Cost	\$1,417.50
Amount Paid to Project Proponent from Rose Foundation	\$43,942.50
Amount Expended on Project by Project Proponent*	\$21,971.26

SEPs 25% Complete

Three SEPS reached 25% completion in 2017.

Center on Race, Poverty and the Environment

South San Joaquin Valley Watershed Improvement Programs: Promoting Community Participation

\$215,000 | 24 months: December 2016 – December 2018

Many communities in the South San Joaquin Valley (Allensworth, Alpaugh, Arvin, Delano and Lamont) face significant drinking water contamination from arsenic and nitrates, suffer from poor water quality and are faced with expensive treatment options. Lower water tables resulting from the CA drought pull in higher levels of nutrients like arsenic and nitrate from ground water, affecting well water and other sources of potable water. CRPE will provide fact sheets and information to community residents on common contaminants found in Valley water supplies such as nitrates and arsenic. CRPE will also train community residents on possible solutions and treatment options to prevent future contamination and clean-up existing contamination.

(Funded from ACL Order R5-2016-0535 | Discharger: Southern California Edison/Shaver Lake. Please see page 12 for the Shaver lake ACL Chart)

California Product Stewardship Council

Sustainable Medication Take Back for Amador County

\$38,875 | 18 months: June 2017 – November 2018

This project expands the award winning “Don’t Rush to Flush, Meds in the Bin We All Win!” (DRTF) program developed by the California Product Stewardship Council (CPSC) with funding from previous Rose Foundation grants. DRTF protects water quality by establishing safe and convenient medication collection sites and promoting their use to the public in lieu of flushing or trashing medications. Reducing flushing is the primary goal because wastewater treatment plants typically can only remove a small portion of active pharmaceutical compounds, with the remainder flowing directly into waterways. DRTF also discourages trashing because landfill leachate, which is often pumped out of the landfill and processed at the same wastewater treatment plants, can present a similar risk for contamination of waterways. The project as proposed focuses on reducing pharmaceutical contamination in the waterways of Amador County, including the Cosumnes River, Dry Creek, the South Fork of the American River, the Mokelumne River, any tributaries to those waterways within the County that receive discharged wastewater, and the groundwater aquifers in the region. Downstream waterways that receive in-flows from the aforementioned including the Sacramento River, the San Joaquin River, and the San Francisco-San Joaquin Delta will also benefit from the reduction in pharmaceutical contaminants upstream. The project’s impact will be measured by the amount of medicines diverted from improper disposal by being collected in the bins.

ACL Order R5-2017-0507

Discharger	City of Sutter Creek
Date of ACL Order Approval	29-Mar-17

Total ACL Amount	\$86,112.00	
Total SEP Amount	\$41,801.94	
Date SEP Payment Received	17-Apr-17	
	<i>Paid in 2017</i>	<i>To pay in 2018</i>
Amount Paid to RF from Discharger	\$43,056	
SEP Program Oversight Cost	\$1,254.06	
Amount Retained by Rose Foundation for Direct Project Administration Cost	\$2,926.14	
Amount Paid to Project Proponent from Rose Foundation	\$20,000	\$18,875.8
Amount Expended on Project by Project Proponent	\$ 9,033.64	

Central Sierra Environmental Resource Center

Water in the Balance – Four Key Actions

\$140,000 | 24 months: June 2017 – June 2019

Funding is supporting watershed monitoring, water sampling, efforts to develop collaborative solutions, and educational outreach to enhance water conservation and public awareness about water resources. CSERC's coordinated strategies will locate threats to water resources and watershed health, sample water quality and pathogenic bacteria in streams, increase public awareness about the need to conserve and protect water, and enable CSERC staff be key participants in collaborative processes that affect water resources, river management, public health, and water planning across the Central Sierra Nevada. The four action programs integrate into a package of strategic efforts to benefit a diversity of social and economic interests.

Reductions in water quality contamination will benefit the environment and the communities that are served by the streams, rivers, and reservoirs of the region. Reductions in sediment discharge into forest streams and rivers due to watchdog monitoring will help reduce sediments that would otherwise clog reservoirs which provide essential water storage for the full spectrum of water users. Increased awareness of the need for water conservation can result in lower water usage and lower water bills for DAC communities. CSERC's Spanish language articles and social networking can reach Latinos who otherwise may not receive important water conservation and water quality protection messages. *(Funded from ACL Order R5-2017-0530 | Discharger: Deuel Vocational Institution (DVI) - California Department of Corrections and Rehabilitation (CDCR). Please see page 20 for the Deuel ACL Chart.)*

Recently Awarded SEPs

(The following six projects were all funded from ACL Order R5-2017-0530 | Discharger: Deuel Vocational Institution (DVI) - California Department of Corrections and Rehabilitation (CDCR). Please see the Deuel ACL Chart on page 20. Grant contracts with these organizations were executed within the past 2-3 months and initial funds have been advanced, but none have reached a reporting milestone yet.)

California Indian Environmental Alliance Safer Subsistence Fishing in the Sacramento River \$150,000 | 36 months: October 2017 – October 2020

The goal of CIEA's Safer Subsistence Fishing: Sacramento River Project is to create a model for identifying and securing safe fishing locations in the Central Valley, Cache Creek Watershed east from Clearlake into the Sacramento River. This will result in cleaner water quality standards to levels that will support continued fish consumption at, or near cultural subsistence rates and provide safer places for cultural practices within the watershed. This project is related to CIEA's work on Tribal Engagement in Integrated Regional Watershed Management Plans and Basin Plan Amendments (enabled by the City of Galt SEP). Specifically this project will provide updated information for the Central Valley Region in the Westside, Sacramento River, San Francisco Bay Delta and Mountain County IRWMs wherein CIEA works closely with Tribes, and will provide guidance to future watershed restoration projects. This project will also show that the goal of securing safer fishing locations is obtainable and that families can have local alternatives and be healthful in their own traditional territories in California. The project will provide an alternative and preferable method of assessing and remediating locations based on California Tribes' and community needs. The four components include: 1) Rank waters in this area by cleanest locations 2) Fill data gaps, 3) Develop further cleanup plans and identify sources to fund this work and will begin to 4) Provide findings to regional Tribes and distribute safer fish consumption advisories.

California Product Stewardship Council Sustainable Medication Take Back for the Sacramento Valley \$200,000 | 24 months: October 2017 – October 2019

The proposed project would expand the award winning "Don't Rush to Flush, Meds in the Bin We All Win!" (DRTF) program developed by California Product Stewardship Council (CPSC) with funding from a previous Rose Foundation grant. DRTF protects water quality in the Sacramento Valley region by establishing safe and convenient medication collection sites and promoting their use to the public in lieu of flushing or trashing medications. Reducing flushing is the primary goal because wastewater treatment plants typically can only remove a small portion of pharmaceutical compounds, leaving the rest to flow directly into waterways. DRTF also discourages trashing because landfill leachate, which is often pumped out of the landfill and processed at the same wastewater treatment plants, can present a similar risk for contamination of waterways. CPSC will collaborate with community partners and establish up to eighteen (20) new medication collections bins depending on funding available and promote the DRTF program to the community. The education and outreach program will target all consumers of

medication in the project region with an emphasis on low-income and disadvantaged populations to achieve the primary goal of protecting waterways in the Sacramento Valley watershed through pollution prevention and reduction and the secondary goal of reducing the community health impacts associated with improperly stored and disposed medications.

Environmental Justice Coalition for Water

Realizing the Human Right to Water for Sacramento Valley Disadvantaged Communities

\$100,000 | 18 months: October 2017 – March 2019

With this SEP, EJCW will build on past Rose Foundation support to expand watershed education and water justice capacity building projects into Butte, Shasta, and parts of Siskiyou Counties. Upper Sacramento Valley communities are currently more isolated from the statewide Human Right to Water discourse than other water-disadvantaged communities. By engaging communities in the Upper Sacramento Valley EJCW will advance the following: 1) disadvantaged community identification and water quality needs assessment, 2) community outreach and education in disadvantaged communities, 3) supporting community participation in watershed planning, and 4) providing technical assistance to disadvantaged communities, including the creation of community advocacy resources and organizing tools. This project's overarching goal is to empower low-income and people-of-color communities in the Upper Sacramento Valley with the objective of building capacity for local and regional water justice campaigns and the achievement of watershed health through education, building relationships, and developing sustainable projects. Funding will help EJCW to deepen and advance their current work with water justice advocate groups, organizations, media, private institutions, and Tribal leadership in Butte, Shasta, and Siskiyou counties to advance the Human Right to Water in disadvantaged communities at the regional and state levels to ensure healthy drinking water and fisheries and recreational waterways for disadvantaged and Tribal communities, particularly the severely disadvantaged communities in the region.

Sierra Streams Institute

Citizen Science in Disadvantaged Communities for Bear River Watershed Improvement

\$122,000 | 24 months: October 2017 – October 2019

The Bear River Watershed, home to several disadvantaged communities, has been severely impacted by historical and present-day mining, industrial chemical discharges, agricultural chemical runoff, sewage spills, invasive species, and aquatic and terrestrial habitat degradation. The 2015 Lowell Fire brought a new threat of post-fire erosion across 2,304 acres in the Bear's upper watershed, an area that includes several historical tailings and dredge piles and two major hydraulic diggings, which may release an increased volume of heavy metal-laced sediments into the watershed until the vegetation community is restored to stabilize the slopes. Sierra Streams Institute is uniquely positioned to address these issues, as they currently lead a multi-agency, watershed-wide restoration planning process for the Bear, its tributaries, and associated uplands. The SEP funding will bolster this planning process by initiating comprehensive baseline monitoring for the watershed, including collecting extensive water quality data, assessing the aquatic and terrestrial species and habitats that may be affected if the dam is approved, and reducing post-fire erosion with our partner landowners. Sierra Streams is currently engaging

many disadvantaged community members as stakeholders in the Bear restoration planning process, empowering residents to shape the monitoring and restoration priorities for their home watershed. In the proposed monitoring program, additional residents will be trained as citizen scientists to collect monitoring data, thus enhancing community understanding of ecological processes, increasing pride of place, and growing residents into activists and volunteers. Creating a community of “citizen scientists” who understand the value of local stewardship and monitoring is a contribution to a larger body of knowledge. Volunteer and landowner engagement will be critical at all stages of the grant implementation, including data gathering and monitoring.

The Sierra Fund

Integrating Gold Country DAC Participation in CABY Water Quality Activities II: Project Planning, Bilingual and Tribal Participation, and Community Outreach
\$199,962 | 24 months: October 2017 – October 2019

This project will leverage two sources of funding: (1) a \$5.5 million grant awarded by the Department of Water Resources (DWR) to The Sierra Fund’s (TSF) “CABY Headwaters Resilience and Adaptability Program,” a collaboration between fifteen government and non-profit organizations and (2) a \$40,500 grant awarded via the Stamas SEP to increase DAC and Tribal involvement in both CABY and DWR’s mandated DAC needs assessment in 2017. Funding will allow The Sierra Fund to hire a full-time bilingual (Spanish-English) Community Organizer and a Tribal Consultant to ensure that Spanish-speaking and Tribal populations of their CABY region DAC communities are given the opportunity for meaningful participation in planning activities that will lead to improved water quality, water access, and health outcomes for the region. The project will involve local organizations and leaders that serve Spanish speaking community members in planning efforts to produce and distribute state-issued fish consumption guidelines in Spanish at water bodies where ethnic minority anglers are fishing. Existing print media and web-based materials created by The Sierra Fund and state public health agencies, including fish consumption advisories created by the Office of Environmental Health Hazard Assessment (OEHHA) will be translated into Spanish and provided to Spanish-speaking community members through this process. In addition, culturally appropriate outreach will be conducted by the Tribal Consultant to ensure that the needs of these stakeholders are articulated and communicated. Community meetings and outreach at key events will target social service providers and low-income, DAC, Tribal, and Spanish-speaking community members to provide important public health information and solicit feedback on local water quality and water supply access issues to facilitate a holistic and useful DAC needs assessment.

Tuolumne River Trust

Youth in Action: Stewardship, Action and Leadership
\$100,000 | 24 months: October 2017 – October 2019

Supports the improvement of water quality in the Tuolumne River as it flows through one of the most disadvantaged neighborhoods in Modesto utilizing a two-pronged approach by: 1) actively engaging local residents and businesses in pollution prevention and cleanup activities, and 2) increasing water literacy. Work completed during the grant period will benefit public health as well as California’s defined beneficial uses. First, TRT will build on baseline water quality

information by recruiting monitoring teams from the Airport Neighborhood (AN) to add two neighborhood monitoring sites to their existing monitoring program as a means of increasing awareness of water quality issues and empowering residents to be part of the solution to improving water quality at their local swimming holes. Second, a pollution prevention campaign will combat trash, much of it hazardous, dumped in the river and river parks. TRT will implement an Adopt-a-River program where local businesses, some whose warehouses are located on riverfront land, will commit to cleaning a section of river or sponsoring cleanups financially and alerting authorities to any unusual findings – the first program of its kind in the State of California to our knowledge. Third, a Water Literacy Campaign will improve awareness of water pollution and water quality by working with elementary schools in the AN, using a modified version of our award-winning environmental education curriculum called Trekking the Tuolumne River. This hands-on and inquiry based learning experience introduces students, future decision makers, to basic water quality issues.

ACL Order R5-2017-0530

Discharger: Southern California Edison/Shaver Lake							
Date of ACL Order Approval: 6-Jul-16							
Total ACL Amount: \$1,038,553							
Total SEP Amount: \$519,500							
Date SEP Payment Received: 6-Oct-16							
SEP Direct Project Administration Cost: \$24,288				SEP Program Oversight Cost: \$12,462			
Amount Paid to Rose Foundation from Discharger: \$531,968							
Project Proponent							
Center for Race, Poverty and the Environment		Central California Environmental Justice Network	El Quinto Sol de America	Leadership Counsel for Justice and Accountability		Self-Help Enterprises	Wild Places
Project							
South San Joaquin Valley Watershed Improvement Programs: Promoting Community Participation		Advancing Community Engagement to Monitor, Report Hazards, and Preserve the Water Quality of Fresno and Kern Counties	Water and The Right to Know	Septic to Sewer: For Community Health, For Groundwater Quality, For Regional Sustainability		DAC Engagement in Regional Water Planning Tulare Basin	Kern/Tule Watersheds Disadvantaged Communities Water Quality Improvement and Outreach
Paid in 2016	Paid in 2017	Paid in 2016	Paid in 2016	Paid in 2016	Paid in 2017	Paid in 2016	Paid in 2016
Amount Paid to Project Proponent from Rose Foundation							
\$107,500	\$0	\$10,000	\$50,000	\$60,000	\$60,000	\$74,936	\$20,000
Amount Expended on Project by Project Proponent							
\$107,500		\$10,000	\$37,000.91	\$66,493.54		\$74,936	\$20,000

SEPs Received, with Grant Contracts in Process

(The following three projects were all funded from ACL Order R5-2017-0534 | Discharger: CMO, Inc. A grant contract has been executed with MCCJ, and are in process with the other two organizations.)

Madera Coalition for Community Justice

Madera Community for Sustainable Water

\$27,900 | 12 months: January 2018 – December 2018

Funds will help to build capacity in Madera County to establish an organizational framework to ensure water security both in terms of quality and quantity by inculcating a collective consciousness and sense of ownership, responsibility and accountability in impacted and underserved communities. These efforts will build on the organization's ongoing advocacy and education work in land use and air quality both locally and regionally, with a goal of increasing effective public participation to help to create better decisions and more responsive planning. The project will address the issue of water security and management using a four-prong approach: (1) Awareness - Communities must be aware of planning and participation opportunities; (2) Education - Communities must be better prepared and educated before they can constructively participate; (3) Governing agencies must receive and supplement public input that reflect their practical experiences, attitudes and beliefs; and (4) Communities input must contribute to the decision-making before policies are made. The project will conduct outreach, disseminate info flyers and material, convene and facilitate community workshops and training sessions for members of DACs to provide them with an understanding of the overall ecosystem for promoting safe potable water, groundwater protection and recharge, flood control and habitat preservation, and knowledge and skills to develop a comprehensive community water management plan. The thrust of the project to mobilize the community is twofold: (1) empower community members to become informed and active participants in local, regional and state hearings, for a and taskforces on watershed planning and protection, upgrading of water system, improving community infrastructure and remediating septic pollution and other contaminants, and (2) establish a cadre of youth watershed stewards who will be trained on the fundamentals of protecting, restoring and improving our surface and groundwater through a 8 week course (5 classes and 3 field).

California Rural Legal Assistance, Inc.

Water Quality Planning and Well Rehabilitation

\$93,930 | 24 months: grant contract pending

This funding will build on the progress made under the California Resources Corp. SEP to help achieve clean drinking water in Del Rey, a disadvantaged unincorporated farmworker community in southeastern Fresno County. The Del Rey Community Services District (CSD) currently needs to assess the extent of water contamination and identify the best treatment options for its wells. The community's drinking water is contaminated with the highly toxic fumigant pesticide 1,2,3-trichloropropane (TCP), a byproduct of soil fumigants used in agricultural production. TCP is known to cause liver and kidney damage, blood disorders and cancer in animals. The State Water Board is in the process of developing a formal drinking water standard

for TCP and the regulation is projected to enter the monitoring stage in January 2018. The State Water Board has released a preliminary finding that the MCL will be set at 5 parts per trillion. In the meantime, the California Environmental Protection Agency has set a Public Health Goal for TCP at 0.7 parts per trillion and the California State Water Resources Control Board has established the current notification level for TCP at 5,000 parts per trillion. Del Rey is served by three active private wells operated by the Community Service District and has two additional standby wells. Del Rey's most recent water testing results show that the community's water contains 99,000 parts per trillion of TCP, over 19 times the notification level, and significantly higher than the Public Health Goal and proposed MCL of 5 ppt. Two standby wells are located in the district, and an additional eight wells have been rendered completely dry and are unusable. CRLA seeks funding to engage in two major types of activities: (1) analysis and development of the remediation study, monitored through a technical advisory committee comprised of Del Rey community residents and (2) community engagement and education. Ensuring meaningful community engagement will include facilitating and encouraging community participation in Community Service District processes, providing training and technical assistance to community residents, and researching water quality issues as necessary to educate residents.

Rural Community Assistance Corporation

Arsenic-free drinking water for Central Valley DACs

\$93,000 | 12 months: grant contract pending

Supports the implementation of a Point of Use (POU) program to provide safe drinking water to Central Valley disadvantaged communities. Initial outreach will be to Caruthers and Riverdale in Fresno County- both designated DACs with primary and secondary water contaminant issues. This program will replicate RCAC's current work in Arvin on the largest POU program ever to be funded by the State Water Resources Control Board. RCAC's POU program takes place in conjunction with Agua4All, an innovative campaign to increase access to and consumption of safe drinking water in low-income rural areas. Agua4All raises awareness about the lack of safe drinking water access in many schools and communities; creates unique public-private partnerships to install water bottle filling stations where they are needed most; and advocates for sustainable long-term solutions to ensure safe drinking water for all. The pilot stage of the program was completed in South Kern County and the eastern Coachella Valley where RCAC installed 147 filling stations in schools and other public places, such as parks, libraries and clinics and to date, has installed over 125 POU filters. RCAC is expanding the program throughout rural California and plans to install more than 200 additional bottle filling stations in Fresno, Kern, Kings, Lake, Merced, Riverside, San Diego and Tulare counties. In the Fresno DACs, RCAC would install bottle filling stations with POU water treatment specifically designed to filter out arsenic. RCAC will also work with the communities' water systems, possibly leveraging state funds, to procure vending machines to dispense larger volumes of safe water for home use. RCAC will collaborate with the city councils and school districts in Caruthers and Riverdale. These partners will help to identify locations for installations. RCAC's locally-based Agua4All staff will conduct outreach to inform residents on the newly available safe water, as well as educate them on the health benefits of drinking water. RCAC will continue to work with the communities beyond the completion of the POU program to identify and implement long-term solutions to access to safe drinking water.

ACL Order R5-2017-0534

Discharger: CMO, Inc.					
Date of ACL Order Approval: 31-Aug-17					
Total ACL Amount: 468,930					
Total SEP Amount: 231,000					
Date SEP Payment Received: 2-oct-17					
SEP Program Oversight Cost: \$16,170			SEP Program Oversight Cost: \$6,930		
Amount Paid to Rose Foundation from Discharger: \$64,680 ³					
Project Proponent					
Madera Coalition for Community Justice		California Rural Legal Assistance, Inc.		Rural Community Assistance Corporation	
Project					
Madera Community for Sustainable Water		Water Quality Planning and Well Rehabilitation		Arsenic-free drinking water for Central Valley DACs	
Paid in 2017	To pay in 2018	Paid in 2017	To pay in 2018 and 2019	Paid in 2017	To pay in 2018 and 2019
Amount Paid to Project Proponent from Rose Foundation					
\$6,975	\$20,925	\$0	\$93,930	\$0	\$93,000

³ This SEP is being paid in 8 installments, with the first one received at the end of 2017 and the last one expected by the middle of 2019.

Conclusion

In addition to the direct benefits to water quality and community health in the Central Valley, this program continues to be a beacon for other State agencies as they develop and refine their own SEP programs. Most recently, the revised SEP Policy from the State Water Board seems quite closely modeled on the Central Valley Disadvantaged Community Water Quality Fund. This is a strong testament to the vision of the Central Valley Regional Water Quality Control Board in pioneering a way to truly open up the opportunity to participate meaningfully in SEPs to the environmental justice community.

The Rose Foundation is honored to partner with you in this journey. We hope you will agree that this report documents strong water quality benefits and community benefits achieved in 2017, and we look forward to even more progress in 2018.

Thank you for your support of the Central Valley Disadvantaged Community Water Quality Fund.